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### Claims

1. (amended) A monoclonal antibody which reacts specifically with (1) a human apolipoprotein A-I occurring in HDL which contains no human apolipoprotein A-II and has a molecular weight of 150,000 or less and (2) a human apolipoprotein A-I not binding to a lipid, but does not react with (1) HDL containing apoA-II, (2) VLDL, (3) LDL, or (4) HDL2, and the reactivity of the monoclonal antibody heated at 37°C to blood plasma or blood serum is low as compared with that of the non-heated monoclonal antibody.

2. The monoclonal antibody as described in claim 1, wherein the HDL (1) which contains no human apolipoprotein A-II and has a molecular weight of 150,000 or less is pre $\beta$ 1-HDL.

3. A hybridoma for producing the monoclonal antibody as recited in claim 1 or 2.

4. An immunoassay method for a human apolipoprotein A-I, characterized by reacting the monoclonal antibody as recited in claim 1 or 2 with a specimen.

5. The method as described in claim 4, which is performed through RIA or EIA.

6. The method as described in claim 4 or 5, wherein measurement is performed before and after heating the specimen, and the amount of reduction or percent reduction after heating is determined.

7. A reagent for assaying a human apolipoprotein A-I containing the monoclonal antibody as recited in claim 1 or 2.

8. The reagent according to claim 7, which is for RIA or EIA.